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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 11

Complete If Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit TTT-1047
Examiner Name Unassigned
Attorney Docket Number 15270J-004752US

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	186	6,150,091		Pandolfo et al.	11-21-2000	
	1	6,057,387		Stamler et al.	05-02-2000	
	2	5,958,883		Snow	09-28-1999	
	3	5,955,317		Suzuki et al.	09-21-1999	
	4	5,955,079		Mond et al.	09-21-1999	
	5	5,877,399		Hsiao et al.	03-02-1999	
	6	5,869,093		Weiner et al.	02-09-1999	
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	8	5,854,204		Findeis et al.	12-29-1998	
	9	5,851,998		Kline	12-22-1998	
	10	5,849,298		Weiner et al.	12-15-1998	
	11	5,837,473		Maggio et al.	11-17-1998	
	12	5,786,180		Konig et al.	07-28-1998	
	207	5,780,587		Potter	07-14-1998	
	13	5,753,624		McMichael et al.	05-19-1998	
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	17	5,679,348		Nesburn et al.	10-21-1997	
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	22	5,605,811		Seubert et al.	02-25-1997	
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	181	5,270,165		Van Nostrand et al.	12-14-1993	
	28	5,231,000		Majocha et al.	07-27-1993	

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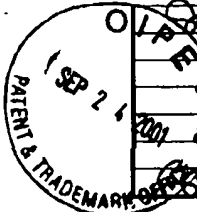
Sheet 2 of 11

Complete If Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit TTT/LA
Examiner Name Unassigned Nichols
Attorney Docket Number 15270J-004752US

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29	5,220,013	Ponte et al.	06-15-1993
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
JP	35	EP	911 036	A2		04-28-1999		<input type="checkbox"/>
	36	EP	868 918	A2		10-07-1998		<input type="checkbox"/>
	37	EP	863 211	A1		09-09-1998		<input type="checkbox"/>
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12-8-02

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 11

Complete if Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit 977-1647
Examiner Name Unassigned - JSC/HCS
Attorney Docket Number 15270J-004752US

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58	PCT	99/27944	A1		06-10-1999	
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66	PCT	95/31996	A1		11-30-1995	
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73	PCT	93/21950	A1		11-11-1993	
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75	PCT	93/15760	A1		08-19-1993	
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82	PCT	91/18819	A1		11-14-1991	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 11

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Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit 1771/147
Examiner Name Unassigned DICTORS
Attorney Docket Number 15270J-004752US

91	PCT	88/10120	A1		12-29-1988		
92	GB	2 220 211	A		01-04-1990		
93	GB	2 335 192	A		09-15-1999		



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 11

Complete if Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit 1774 1647
Examiner Name Unassigned
Attorney Docket Number 15270J-004752US

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?," <i>Neurology</i> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α-2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991).	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <i>Eur. J. Immunol.</i> , 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <i>Soc. for Neuroscience Abstracts</i> 18:764 (1992).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1694 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <i>Biochem. Biophys. Res. Comm.</i> , 171(2):890-897 (1990).	<input type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <i>Neuron</i> , 19: 939-945 (1997).	<input type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Cur. Opin. Genet. Develop.</i> , 3: 102-109 (1993).	<input type="checkbox"/>
	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val>Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg. Psychiatry</i> , 56:112-115 (1993).	<input type="checkbox"/>
	102	CHAO et al., "Transforming Growth Factor-β Protects human Neurons Against β-Amyloid-Induced Injury," <i>Soc. Neurosci. Abstracts</i> , 19:513.7 (1993).	<input type="checkbox"/>
	213	CHEN et al. "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Neuroscience Letters</i> 125:223-228 (1991).	<input type="checkbox"/>
	214	DEMATOS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 10.1073/pnas.151261398 (2001).	<input type="checkbox"/>
	103	DUFF et al., "Mouse model made," <i>Nature</i> , 373: 476-477 (1995).	<input type="checkbox"/>
	104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic Parkinson's disease," <i>J. Neurol. Sciences</i> , 59:341-347 (1983).	<input type="checkbox"/>

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Sheet 6 of 11

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Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit 777-1647
Examiner Name Unassigned NICHOLS SEP 26 2001
Attorney Docket Number 15270J-004752US

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105	FELSENSTEIN et al., "Processing of the β -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <i>Neuroscience Letters</i> , 152:185-189 (1993).	<input type="checkbox"/>
106	FINCH et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <i>Neurobiology of Aging</i> , 17(5):809-815 (1996).	<input type="checkbox"/>
107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <i>PNAS</i> , 88:1779-1782 (1991).	<input type="checkbox"/>
108	FLANDERS et al., "Altered expression of transforming growth factor- β in Alzheimer's disease," <i>Neurology</i> , 45:1561-1569 (1995).	<input type="checkbox"/>
210	FRIEDLAND et al., "Development of an anti-A β monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <i>Mol. Neurology</i> , 9:107-113 (1994).	<input type="checkbox"/>
109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <i>Nature</i> , 373(6514): 523-527 (1995).	<input type="checkbox"/>
215	GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with A β ₁₋₄₂ ," <i>Annals of the New York Academy of Science</i> 920:274-84 (2000).	<input type="checkbox"/>
110	GANDY et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <i>TIPS</i> , 13:108-113 (1992).	<input type="checkbox"/>
111	GASKIN et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <i>J. Exp. Med.</i> , 177:1181-1186 (1993).	<input type="checkbox"/>
112	GLENN et al., "Skin immunization made possible by cholera toxin," <i>Nature</i> , 391: 851 (1988).	<input type="checkbox"/>
113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <i>Biochemical and Biophysical Research Communications</i> , 120(3): 885-890 (1994).	<input type="checkbox"/>
114	GLENNER et al., "Alzheimer's Disease and Down's Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <i>Biochemical and Biophysical Research Communications</i> , 122(3): 1131-1135 (1984).	<input type="checkbox"/>
115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <i>Nature</i> , 349:704-706 (1991).	<input type="checkbox"/>
116	GOZES et al., "Neuroprotective strategy for Alzheimer disease: Intranasal administration of a fatty neuropeptide," <i>PNAS</i> , 93:427-432 (1996).	<input type="checkbox"/>
190	GRAVINA et al., "Amyloid β Protein (A β) in Alzheimer's Disease," <i>J. Biol. Chem.</i> , 270(13):7013-7018 (1995).	<input type="checkbox"/>
117	GUPTA et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <i>Vaccine</i> , 15(12/13): 1341-1343 (1997).	<input type="checkbox"/>
118	HAGA et al., "Synthetic Alzheimer amyloid β /A4 peptides enhance production of complement C3 component by cultured microglial cells," <i>Brain Research</i> , 601:88-94 (1993).	<input type="checkbox"/>
119	HANES et al., "New advances in microsphere-based single-dose vaccines," <i>Advanced Drug Delivery Reviews</i> , 28: 97-119 (1997).	<input type="checkbox"/>

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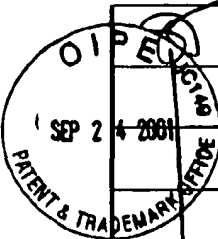
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 11

Complete if Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit ~~1774~~ 1647
Examiner Name Unassigned MICHAEL
Attorney Docket Number 15270J-004752US



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120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <i>TINS</i> , 20(4): 154-159 (1997).	<input type="checkbox"/>
121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <i>Annals of Med.</i> , 28:255-258 (1996).	<input type="checkbox"/>
193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of β / A4-protein," <i>Biochimica Biophysica Acta</i> , 1158:120-128 (1993).	<input type="checkbox"/>
177	HELMUTH, L., "Further Progress on a β -Amyloid Vaccine," <i>Science</i> , 289:375 (2000).	<input type="checkbox"/>
122	HSIAO et al., "Correlative Memory Deficits, A β Elevation, and Amyloid Plaques in Transgenic Mice," <i>Science</i> , 274: 89-102 (1996).	<input type="checkbox"/>
123	HUBERMAN et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <i>J. Neuroimmunology</i> , 52:147-152 (1994).	<input type="checkbox"/>
124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <i>N. E. J. Medicine</i> , 333(19):1283-1284 (1995).	<input type="checkbox"/>
125	ITAGAKI et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <i>J. Neuroimmunology</i> , 24:173-182 (1989).	<input type="checkbox"/>
192	IWATSUBO et al., "Visualization of A β 42(43) and A β 40 in Senile Plaques with End-Specific A β Monoclonals: Evidence That an Initially Deposited Species Is A β 42(43)," <i>Neuron</i> , 13:45-53 (1994).	<input type="checkbox"/>
126	JANSEN et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <i>Immun. Rev.</i> , 62: 185-216 (1982).	<input type="checkbox"/>
216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <i>Am. J. of Pathology</i> 138:373-378 (1991).	<input type="checkbox"/>
127	KALARIA, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <i>Res. Immunology</i> , 143:637-641 (1992).	<input type="checkbox"/>
183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <i>Biotechnol. Appl. Biochem.</i> , 23:227-230 (1996).	<input type="checkbox"/>
128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <i>Nature</i> , 354:476-478 (1991).	<input type="checkbox"/>
195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369.2B Specific for the Carboxyl-Terminus of the A4 Peptide," <i>Annals of NY Acad. Sci.</i> , 777:344-355 (1996).	<input type="checkbox"/>
129	LAMPERT-ETCHELLS et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <i>Neurodegeneration</i> , 2:111-121 (1993).	<input type="checkbox"/>
130	LANGER, "New Methods of Drug Delivery," <i>Science</i> , 249: 1527-1532 (1990).	<input type="checkbox"/>
131	LANNFELT et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <i>Behavioural Brain Res.</i> , 57:207-213 (1993).	<input type="checkbox"/>

Examiner Signature	Date Considered 12-5-02
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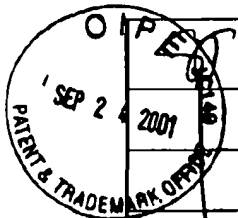
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 11

Complete if Known

Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit ~~ATTN: KAFF~~
Examiner Name Unassigned NICHOLSON
Attorney Docket Number 15270J-004752US



132	LEMERE et al., "Mucosal Administration of A β Peptide Decreases Cerebral Amyloid Burden in Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part 1, Abstract 519.6, 29th Annual Meeting, (October 23-28, 1999).	<input checked="" type="checkbox"/>
133	LIVINGSTON et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection," <u>J. Immunol.</u> , 159: 1383-1392 (1997).	<input checked="" type="checkbox"/>
134	LOPEZ et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta Neurol. Scand.</u> , 84:441-444 (1991).	<input checked="" type="checkbox"/>
218	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for β /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> , 33:2184-2189 (1992).	<input checked="" type="checkbox"/>
217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	<input checked="" type="checkbox"/>
135	MCGEE et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).	<input checked="" type="checkbox"/>
136	MEDA et al., "Activation of microglial cells by β -amyloid protein and Interferon- γ ," <u>Nature</u> , 374:647-650 (1995).	<input checked="" type="checkbox"/>
137	MILLER et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).	<input checked="" type="checkbox"/>
206	MORI et al., "Mass Spectrometry of Purified Amyloid β Protein in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 267(24):17082-17088 (1992).	<input checked="" type="checkbox"/>
191	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of β -Amyloid 1-42 and Its Immunohistochemical Reactivity in Alzheimer's Disease and Related Disorders," <u>Am. J. Pathology</u> , 144(5):1082-1088 (1994).	<input checked="" type="checkbox"/>
138	NATHANSON et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic," <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).	<input checked="" type="checkbox"/>
139	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).	<input checked="" type="checkbox"/>
140	PARESCIE et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).	<input checked="" type="checkbox"/>
141	PAUL et al., "Transdermal immunization with large proteins by means of ultra-deformable drug carriers," <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).	<input checked="" type="checkbox"/>
142	PRIEELS et al., "Synergistic adjuvants for vaccines," <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).	<input checked="" type="checkbox"/>
143	QUON et al., "Formation of β -Amyloid protein deposits in brains of transgenic mice," <u>Nature</u> , 352:239-241 (1991).	<input checked="" type="checkbox"/>
144	RASO, V.A., Grant application # 1-R43 AG15746-01, (publication data unknown)	<input checked="" type="checkbox"/>
145	RASO, "Immunotherapy of Alzheimer's Disease," <u>Immunotherapy Weekly</u> , Abstract (April 2, 1998).	<input checked="" type="checkbox"/>

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Sheet 9 of 11

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Application Number 09/724,961
Filing Date November 28, 2001
First Named Inventor Schenk, Dale B.
Group Art Unit 1774-1647
Examiner Name Unassigned NICHOLS
Attorney Docket Number 15270J-004752US

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146	ROGERS et al., "Complement activation by β -amyloid in Alzheimer Disease," <i>PNAS</i> , 89:1-5 (1992).	<input checked="" type="checkbox"/>
147	ROSSOR et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <i>Annals of New York Academy of Sciences</i> , 695:198-202 (1993).	<input checked="" type="checkbox"/>
209	RUDINGER, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," in <i>Peptide Hormones</i> , J.A. Parson, ed. University Park Press, Baltimore, pp 1-7 (1976).	<input checked="" type="checkbox"/>
189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <i>J. Biol. Chem.</i> , 268(33):25239-25243 (1993).	<input checked="" type="checkbox"/>
194	SAIDO et al., "Spatial Resolution of the Primary β -Amyloidogenic Process Induced in Postischemic Hippocampus," <i>J. Biol. Chem.</i> , 269(21):15253-15257 (1994).	<input checked="" type="checkbox"/>
178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- β Peptide and Alzheimer's Disease," <i>J. Med. Chem.</i> , 38(21):4141-4154 (1995).	<input checked="" type="checkbox"/>
148	SCHENK et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> , 400:173-177 (1999).	<input checked="" type="checkbox"/>
149	SELKOE, D.J., "Imaging Alzheimer's Amyloid," <i>Nat. Biotech.</i> , 18:823-824 (2000).	<input checked="" type="checkbox"/>
150	SELKOE, "Alzheimer's Disease: A Central Role for Amyloid," <i>J. Neuropathol. Exp. Neurol.</i> , 53(5): 438-447 (1994).	<input checked="" type="checkbox"/>
151	SELKOE, "Physiological production of the β -amyloid protein and the mechanism of Alzheimer's disease," <i>Trends in Neurosciences</i> , 16(10): 403-409 (1993).	<input checked="" type="checkbox"/>
152	SELKOE, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <i>Scientific American</i> , pgs. 68-78 (November, 1991).	<input checked="" type="checkbox"/>
153	SELKOE, Dennis J., "In the Beginning....," <i>Nature</i> , 354:432-433 (1991).	<input checked="" type="checkbox"/>
154	SELKOE, Dennis J., "The Molecular pathology of Alzheimer's Disease," <i>Neuron</i> , 6:487-498 (1991).	<input checked="" type="checkbox"/>
155	SELKOE, Dennis J., "Alzheimer's Disease: Genotypes, Phenotype, and Treatments," <i>Science</i> , 275:830-831 (1997).	<input checked="" type="checkbox"/>
156	SEUBERT et al., "Isolation and quantification of soluble Alzheimer's β -peptide from biological fluids," <i>Nature</i> , 359: 325-327 (1992).	<input checked="" type="checkbox"/>
157	SHIOSAKA, S., "Attempts to make models for Alzheimer's disease," <i>Neuroscience Res.</i> , 13:237-255 (1992).	<input checked="" type="checkbox"/>
158	SMITS et al., "Prion Protein and Scrapie Susceptibility," <i>Vet. Quart.</i> , 19(3): 101-105 (1997).	<input checked="" type="checkbox"/>
159	SOLOMON et al., "Disaggregation of Alzheimer β -amyloid by site-directed mAb," <i>PNAS</i> , 94:4109-4112 (1997).	<input checked="" type="checkbox"/>

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Sheet 10 of 11

Complete if Known

Application Number	09/724,961
Filing Date	November 28, 2001
First Named Inventor	Schenk, Dale B.
Group Art Unit	477-1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004752US

160	SOLOMON et al., "Monoclonal antibodies inhibit in vitro fibrillar aggregation of the Alzheimer β -amyloid peptide," <i>PNAS</i> , 93:452-455 (1996).	<input checked="" type="checkbox"/>
161	SOLOMON, A., "Pro-Ra (Protein Therapeutics), University of Tennessee Medical Center, (publication date unknown)."	<input checked="" type="checkbox"/>
162	SOLOMON, B., "New Approach Towards Fast Induction of Anti β-Amyloid Peptide Immune Response," Department of Molecular Microbiology & Biotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel (publication date unknown)."	<input checked="" type="checkbox"/>
162	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's β -amyloid peptide aggregation," <i>Int. J. Exp. Clin. Invest.</i> , 3:130-133 (1996).	<input checked="" type="checkbox"/>
164	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <i>Biochem. Mol. Biol. Int.</i> , 43(3):601-611 (1997).	<input checked="" type="checkbox"/>
165	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <i>Adv. Mol. Cell Biology</i> , 15A:33-45 (1996).	<input checked="" type="checkbox"/>
166	SOLOMON et al., "Activity of monoclonal antibodies in prevention of in vitro aggregation of their antigens," abstract from Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel (publication date unknown)."	<input checked="" type="checkbox"/>
179	SOUTHWICK et al., "Assessment of Amyloid β protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <i>J. Neurochemistry</i> , 66:259-265 (1996).	<input checked="" type="checkbox"/>
163	STOUTE et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium Falciparum</i> Malaria," <i>N. Engl. J. Med.</i> , 336(2): 86-91 (1997).	<input checked="" type="checkbox"/>
164	STURCHLER-PIERRAT et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <i>PNAS</i> , 94: 13287-13292 (1997).	<input checked="" type="checkbox"/>
165	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <i>European J. Pharmacology</i> , 352:135-142 (1998).	<input checked="" type="checkbox"/>
166	TRIEB et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <i>Immunobiology</i> , 191(2-3):114-115 Abstract C.37, (1994).	<input checked="" type="checkbox"/>
167	VAN GOOL et al., "Concentrations of amyloid- β protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <i>Neuroscience Letters</i> , 172:122-124 (1994).	<input checked="" type="checkbox"/>
168	VERBEEK et al., "Accumulation of Intercellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <i>Amer. J. Pathol.</i> , 144(1):104-116 (1994).	<input checked="" type="checkbox"/>
169	WALKER et al., "Labeling of Cerebral Amyloid In Vivo with a Monoclonal Antibody," <i>J. Neuropath. Exp. Neurology</i> , 53(4):377-383 (1994).	<input checked="" type="checkbox"/>
180	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <i>J. Food Drug Analysis</i> , 6(2):465-476 (1998).	<input checked="" type="checkbox"/>
170	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <i>Nature Biotech.</i> , 18:868-874 (2000).	<input checked="" type="checkbox"/>
171	WEINER et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <i>Annu. Rev. Immunol.</i> , 12:809-837 (1994).	<input checked="" type="checkbox"/>

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Sheet 11 of 11

Complete if Known

Application Number	09/724,961
Filing Date	November 28, 2001
First Named Inventor	Schenk, Dale B.
Group Art Unit	1771-1647
Examiner Name	Unassigned PICHOLS
Attorney Docket Number	15270J-004752US

172	WEISSMANN et al., "Bovine spongiform encephalopathy and early onset variant Creutzfeldt-Jakob disease," <u>Curr. Opin. Neurobiol.</u> , 7: 695-700 (1997).
219	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," <u>Proc. Natl. Acad. Sci. USA</u> , 82:8729-8732 (1985).
173	WOOD et al., "Amyloid precursor protein processing and Ap42 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997).
174	Human-Immunology & Cancer Program brochure from The University of Tennessee Medical Center/ Graduate School of Medicine, Knoxville, Tennessee (publication date unknown).

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Complete if Known

Application Number 09/724,961
Filing Date November 28, 2000
First Named Inventor Schenk, Dale B.
Group Art Unit 1647
Examiner Name Turner, Sharon
Attorney Docket Number 15270J-004752US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	287	6,294,171	B2	McMichael	09-25-2001	
	234	6,284,221	B1	Schenk, et al.	09-04-2001	
	300	2001/0018053	A1	McMichael	08-30-2001	
	230	6,282,335	B1	Hsiao et al.	07-17-2001	
	231	6,114,133		Seubert et al.	09-05-2000	
	221	5,989,566		Cobb et al.	11-23-1999	
	284	5,231,170		Averback	07-27-1993	
	442	60/180,604		Chaffour et al.	N/A	
	282	60/169,687		Chen	N/A	
	206	60/184,001		Holtzman et al.	N/A	
	209	60/186,295		Rasmussen et al.	N/A	
	290	60/254,406		Holtzman et al.	N/A	
	307	60/254,408		Holtzman et al.	N/A	
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FOREIGN PATENT DOCUMENTS

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	301	PCT	01/82284	A2		03-01-2000		
	294	PCT	01/82801	A2		08-30-2001		
	240	PCT	00/43039	A1		07-27-2000		
	227	PCT	85/11008	A2		04-27-1995		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 6

Complete if Known

Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon <i>NICHOLS</i>
Attorney Docket Number	15270J-004752US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>ST</i>	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 225(4): 1075-1093 (1992).
	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," Reuters, April 20, 2001 7:56 PM ET.
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	224	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at: http://www.fda.gov/cber/vaccine/thimerosal.htm , last updated May 18, 2002.
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	222	Chemical Abstract database: Abstract of Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals; <i>Chemical Abstract database:</i> (Publication date unknown) <i>improper format</i>
<i>ST</i>	302	CHUNG et al., "Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid β -Peptide by Microglial Cells," <i>J. Biol. Chem.</i> , 274(45):32301-32306 (1999).
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<i>ST</i>	293	DALY, et al., "Detection of the membrane-retained carboxy-terminal tail containing polypeptides of the amyloid precursor protein in tissue from Alzheimer's Disease brain," <i>Life Sci.</i> , 63:2121-2131 (1998).
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<i>ST</i>	288	DUMERY et al., " β -Amyloid protein aggregation; its implication in the physiopathology of Alzheimer's disease," <i>Pathol. Biol.</i> , 49:72-85 (2001).
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Date Considered

12-5-02

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 6

Complete If Known

Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-004752US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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	289	ESIRI, "Is an effective immune intervention for Alzheimer's disease in prospect?," <i>Trends in Pharm. Sci.</i> , 22:2-3 (2001).	
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Complete if Known

Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-004752US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
[Signature]	255	HARIGAYA, et al., "Modified amyloid β protein ending at 42 or 40 with different solubility accumulates in the brain of Alzheimer's disease," <i>Biochem. Biophys. Res. Comm.</i> , 211:1015-1022 (1995).	TECH CENTER 1600/2000
	229	HAZAMA, et al., "Intranasal Immunization Against Herpes Simplex Virus Infection by Using a Recombinant Glycoprotein D Fused With Immunomodulating Proteins, the B Subunit of Escherichia Coli Heat-Labile Enterotoxin and Interleukin-2," <i>Immunology</i> , Vol. 78: 643-649 (1993).	
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Sheet 5 of 6

Complete If Known

Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Tanner, Sharon NICHOLS
Attorney Docket Number	15270J-004752US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	250	NAKAMURA et al., "Histopathological studies on senile plaques and cerebral amyloid angiopathy in aged cynomolgus monkeys," <i>Exp. Anim.</i> , 43:711-718 (1995).	
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JS	289	PHILIPPE, et al., "Generation of a monoclonal antibody to the carboxy-terminal domain of tau by immunization with the amino-terminal domain of the amyloid precursor protein," <i>J. of Neuroscience Res.</i> , 48:709-719 (1996).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6

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Application Number 09/724,961

Filing Date November 28, 2000

First Named Inventor Schenk, Dale B.

Group Art Unit 1647

Examiner Name Turner, Sharon

NICHOLS

Attorney Docket Number 15270J-004752US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
80	276	TJERNBERG et al., "Arrest of β -amyloid fibril formation by a pentapeptide ligand," <i>Journal of Biological Chemistry</i> , 271:8545-8548 (1996).	1
80	274	WEINER et al., "Nasal administration of amyloid- β peptide decreases cerebral amyloid burden in a mouse model of Alzheimer's disease," <i>Annals of Neurology</i> , 48:567-579 (2000).	1
	223	Wisconsin Alumni Research Foundation, "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals", U.S. Govt. Res. Develop. Rep. 70(24): 69. (Publication date unknown) improper format	1
50	275	WU, et al., "Drug targeting of a peptide radiopharmaceutical through the primate blood-brain barrier in vivo with a monoclonal antibody to the human insulin receptor," <i>J. Clin. Invest.</i> , 100:1804-1812 (1997).	1
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 13

Complete if Known

Application Number	09/724,881
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	15270J-004752US

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CS	326	2002/0136718 A1	09-28-2002	Raso	
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	308	6,417,178 B1	07-09-2002	Kunk et al.	
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	221	5,989,568	11-23-1999	Cobb et al.	
	283	09/441,140	11-16-1999	Solomon et al.	
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	320	5,593,848	01-14-1997	Schenk et al.	
CS	284	5,231,170	07-27-1993	Averback	
	242	60/168,594	N/A	Chalifour et al.	
	282	60/160,687	N/A	Orain	
	295	60/184,601	N/A	Holtzman et al.	
	298	60/254,465	N/A	Holtzman et al.	
	297	60/254,498	N/A	Holtzman et al.	
	299	60/186,295	N/A	Rasmussen et al.	

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Sheet 2 of 13

Complete If Known

Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner - NOIC HOLD
Attorney Docket Number	15270J-004752US

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
GD	294	WO	01/62801	A2	08-30-2001			
	301	WO	01/62284	A2	03-01-2000			
	298	WO	01/42306	A2	06-14-2001			
	243	WO	01/39798	A2	06-07-2001			
	322	WO	00/72880	A2, A3	12-07-2000			
	323	WO	00/72876	A2, A3	12-07-2000			
	324	WO	00/72870	A1	12-07-2000			
	240	WO	00/43039	A1	07-27-2000			
	331	WO	99/08545	A2	11-02-1999			
GD	227	WO	95/11008	A2	04-27-1995			

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**INFORMATION DISCLOSURE
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Sheet 3 of 12

Complete If Known

Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004762US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
GW	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	
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Sheet 4 of 13

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Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	16270J-004752US

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Sheet 5

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Application Number 09/724,981
Filing Date November 28, 2000
First Named Inventor Dale B. Schenk
Art Unit 1647
Examiner Name Sharon Turner
Attorney Docket Number 15270J-004752US

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Complete If Known

Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner
Attorney Docket Number	15270J-004752US

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Sheet 7 of 13

Complete if Known

Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	16270J-004752US

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Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner
Attorney Docket Number	15270-004752US

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Sheet 8

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Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004752US

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Sheet 10 of 13

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Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004762US

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Complete if Known

Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner
Attorney Docket Number	15270J-004752US

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Sheet 12 of 13

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Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schank
Art Unit	1647
Examiner Name	Sharon Turner-A (CHOC S)
Attorney Docket Number	15270J-004752US

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Sheet 13 of 13

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Application Number	09/724,981
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004752US

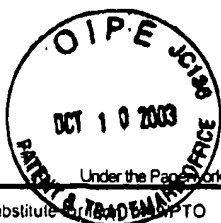
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Application Number	09/724,961
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Nichols
Attorney Docket Number	15270J-004752US

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
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CSJ	343	EP	1 172 378	A1	01-16-2002			<input checked="" type="checkbox"/>
	351	WO	02/34878	A2	05-02-2002			<input checked="" type="checkbox"/>
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	344	WO	01/90182	A2	11-29-2001			<input checked="" type="checkbox"/>
	348	WO	01/77167	A2	10-18-2001			<input checked="" type="checkbox"/>
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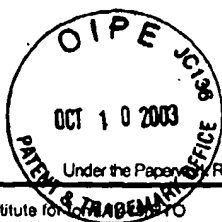
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Application Number	09/724,961
Filing Date	May 26, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Nichols
Attorney Docket Number	15270J-004752US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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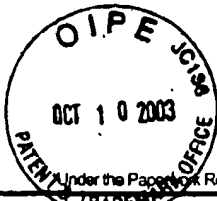
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Complete if Known

Application Number	09/724,961
Filing Date	May 26, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Nichols
Attorney Docket Number	15270J-004752US

NON PATENT LITERATURE DOCUMENTS

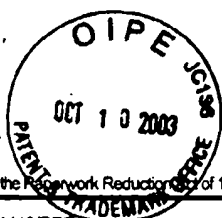
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	371	JOHNSTONE et al., Nuclear and Cytoplasmic Localization of the β -Amyloid Peptide (1-43) in Transfected 293 Cells," <u>Biochemical and Biophysical Research Communications</u> , 220:710-718 (1996).	<input checked="" type="checkbox"/>
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Page 5 of 6

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First Named Inventor	Schenk, Dale B.
Art Unit	1647
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ESD	396	SIGURDSSON et al., "Anti-prior antibodies for prophylaxis following prion exposure in mice," <u>Neurosciences Letters</u> , 336:185-187 (2003).	—
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